

To: Myers, David[dmyers@sovcon.com]
From: Schmittziel, Paula
Sent: Wed 5/13/2015 5:33:42 PM
Subject: RE: Inquiry about the Animas River acid mine drainage issues

Dave – We are set for Wednesday, May 20th from 10:00 – 11:30 AM at EPA. I've invited several of those people you suggested as well as a few others but I don't expect more than ~ 10-12 people given that its so close to the holiday weekend. I believe that Brent Lewis from BLM will also be attending.

We will be in the EPA conference center on the 2nd floor – you can check one of the monitors as to which room we are scheduled in. I scheduled the room from 9:30 to 11:30 AM so that you will have time to set up your presentation. The rooms all have projectors so if you bring a laptop you should be set. I will need a list of those people from Sovereign Consulting who will be coming so that I can notify security who to expect.

Please let me know if you have any questions. Thanks and we look forward to the presentation on passive treatment systems.

Paula Schmittziel

Remedial Project Manager

U.S. Environmental Protection Agency

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From: Myers, David [mailto:dmyers@sovcon.com]
Sent: Friday, May 08, 2015 12:58 PM

To: Schmittdiel, Paula
Cc: Josselyn, Lee; Gusek, James; Wharton, Steve; Fagen, Elizabeth; Brent Lewis (Brent_Lewis@blm.gov)
Subject: RE: Inquiry about the Animas River acid mine drainage issues

Paula,

I talked to Jim Gusek about his availability, and he is not available Monday or Tuesday of that week...he has a meeting with clients out of town on Monday, coming back Tuesday evening.

He is available the rest of the week and is generally available the following week.

Jim requested that I ask that a few people he knows be included in your invitation, if possible. They are listed below.

Joy Jenkins, Steve Way, Carol Russell.

Also, Lee Josselyn, our office manager, knows two people from his time as project manager of the Summitville site for Golder...Ken Wangerud, James Hanley.

Let me know how this works out...

Regards, Dave

From: Schmittdiel, Paula [<mailto:Schmittdiel.Paula@epa.gov>]
Sent: Friday, May 08, 2015 10:09 AM
To: Myers, David
Cc: Josselyn, Lee; Gusek, James; Wharton, Steve; Fagen, Elizabeth; Brent Lewis

(Brent_Lewis@blm.gov)

Subject: RE: Inquiry about the Animas River acid mine drainage issues

David – Thank you for your email. EPA would be interested in a presentation from your company about passive treatment systems. As I mentioned when we spoke on the phone this AM that it may be a bit premature for EPA to consider treatment as we are currently initiating remedial investigation(RI) type work and are not ready to immediately move into feasibility studies. But we still feel there is some benefit to learning more about passive treatment systems so that we can consider possible data needs during the RI.

The week of May 18th will work better for EPA – I am currently checking with our folks as what day that week will work best. I think it will be M, T or W that week but will let you know shortly.

Paula Schmittiel

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From: Myers, David [<mailto:dmyers@sovcon.com>]

Sent: Tuesday, May 05, 2015 4:55 PM

To: Schmittiel, Paula

Cc: Josselyn, Lee; Gusek, James

Subject: Inquiry about the Animas River acid mine drainage issues

Ms. Schmittdiel,

Through talking to some of the Animas River Stakeholder's Group members and reviewing the articles and meeting notes available, I understand that you are listed as EPA's project manager.

We would like to meet with you to discuss the future of the water treatment needs for the American tunnel Gold King, Red and Bonita, and Mogul.

Sovereign is a consulting company that specializes in the passive treatment of AMD. Jim Gusek, our principal scientist, is an internationally known expert in passive treatment of mining contaminated wastewater. We believe that it may be possible to develop a combination of passive treatment unit operations that, while not inexpensive to build, would be much less expensive than a lime HDS system and which would have O&M costs that would be a small fraction of what the existing plants at Summitville and Argo cost yearly.

We talked to Doug Jamison of CDPHE, and learned that CDPHE is strongly in favor of considering passive treatment technologies for the future treatment of AMD, because they have a heavy load of lime treatment operations and anticipate operation of the new Clear Creek OU4 plant as well.

As a result of the research we have done to-date, we understand that the issues surrounding the eventual treatment of the American Tunnel drainage are complex, both technically and politically. While we understand that the actual treatment may not begin until either Good Samaritan legislation passes congress or the sites become a Superfund site, we believe that the pilot test work for passive treatment should be done as soon as possible so the process treatment train can be identified and the efficacy of the concept is proven, so the selection of a lime HDS can possibly be avoided. The nature of passive treatment processes requires that a thorough bench and pilot testing program be done to identify the substrate in the biological reactors, possible design parameters for iron terrace treatment, sizing and media for manganese removal bed (if needed), etc.

We would like to offer our capability to help the ARSG understand the opportunity to employ a lower cost alternative to the standard treatment technology.

Please let me know when you would be available to meet and talk. I strongly prefer next week (except Wednesday), because I'm going on vacation for 2 ½ weeks after May 16th.

We look forward to hearing from you.

David A. Myers, P.E.

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